

The Tech

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5 CENTS

R.O.T.C. Cadets Participate In Annual Military Review

Plans for the Annual Federal Inspection of the Air Force ROTC detachment at the Institute are now being completed, according to Colonel Charles F. Baish, in charge of the Department of Military Science.

Under the general direction of Colonel Adolf M. Wright, Air Force ROTC Inspector General, a liaison team consisting of Colonel Byron R. Switzer, Lieutenant Colonel Newton E. James, and Captain James C. Lambdin will visit the Institute on April 16, 17, and 18.

This year marks the first time that inspections have been carried out under the supervision of the newly created Air Force ROTC Headquarters at the Air University, Montgomery, Alabama. Prior to August, 1952, the Air Force ROTC was under the jurisdiction of the Continental Air Command.

The primary purpose of the national inspection program is to examine the training, both in the classroom and on the drill field, of the 145,000 AFROTC cadets now enrolled in American universities, and to note any deficiencies and difficulties which need correction in each unit.

Teaching procedures, adequacy of instructor facilities, effectiveness of instructors and general military bearing of the cadets are some of the points on which each detachment will be graded. Approximately two days will be spent at each institution, with the inspecting teams in most cases reviewing the corps of cadets on parade.

The inspectors will also scrutinize the administration and supply methods of each unit and discuss the AFROTC program with school and local officials.

Universities' Report Discusses, Defends Academic Freedom

Dr. James R. Killian Jr., president of the Institute, was one of 37 heads of leading American and Canadian educational institutions to sign the report on academic freedom issued by the Association of American Universities last week. The report was drawn up by a committee headed by Dr. A. Whitney Griswold, president of Yale University.

The report, entitled "The Rights and Responsibilities of Universities and Their Faculties," took six months to prepare and said in effect that full academic freedom should be guaranteed all professors, but that this freedom should not include the right to membership in the Communist party.

(The Association, which is headed by Dr. Harold W. Dodds, president of Princeton, speaks on matters of common policy for its 37 members.)

Defines Scholars' Role

In defending academic freedom the report pointed out that "The scholar's mission requires the study and examination of unpopular ideas, of ideas considered abhorrent and even dangerous. . . . To censor individual faculty members would put a stop to learning at its outlet. . . . A university must, therefore, be hospitable to an infinite variety of skills and viewpoints, relying upon open competition among them as the surest safeguard of truth. Its whole spirit requires investigation, criticism and presentation of ideas in an atmosphere of freedom and mutual confidence. This is the real nature of 'academic freedom.'"

Limits and Responsibilities

The report goes on to define the limits and responsibilities of academic freedom. All scholars, it says are "united in loyalty to the ideal of learning, to the moral code, to the

(Continued on page 4)

Beavers Hold Lead Over 9 Opponents At Annapolis Meet

Travelling to Annapolis, Maryland for their first regatta of the spring sailing season, the Beavers faced host Navy and eight other Eastern sailing teams in the 26th annual McMillan Cup regatta.

The Naval Academy will provide the yaws to be used in the regatta, distributing them by lot to the competing schools. Two courses, of 12 and 19 miles have been marked out for the races, held on April 4 and 5. Competing from the New England Intercollegiate Sailing Association, besides Tech, are Harvard, Defending Champion Williams, Rhode Island, and Yale. Middle Atlantic entries are Navy, Cornell, Webb, Syracuse, and Colgate.

Beavers Lead

After the Saturday events, the Beavers led by Ted Garcia '55, maintained a slight lead over their rivals. The closest competitors were Harvard and Williams. As THE TECH went to press, final results of the regatta were not available.

Freshmen

The Tech frosh also were busy this past week end, sailing against teams from Brown, Harvard, Northeastern, Babson, Boston College, Middlebury, Providence, Rhode Island, and Worcester Tech in a freshman decagonal on the Charles River Basin. The Beaver yearlings rated as co-favorites in the regatta.

Johns Takes First To Capture Trophy In Speech Contest

Oliver D. Johns '56 of Beta Theta Pi captured first place in the annual Intramural Extemporaneous Speaking Contest held on Tuesday, March 25. Glenn W. Clark '56 of Burton House received the second place trophy at the competition sponsored by the Debating Society.

Beta Theta Pi will be awarded the circulating trophy for the next year. (A living group must win the statuette three times in order to retire it permanently.)

On April 18 Johns will represent the Institute in the National Forensic League competition in Boston.

"Humanity" Called Architecture Need At Present Time

"Architecture, to endure, must be imbued with feeling, imagination and reason," is the opinion of Pietro Belluschi, dean of the School of Architecture and City Planning at the Institute.

Mr. Belluschi suggested at a recent conference on art education in New York that perhaps we are not paying enough attention to beauty in this crowded age of science, pointing out that the search for beauty remains the hope to close the gap between knowledge and wisdom. He agreed with the conclusions of a recent conference on the plight of the modern city which regretted the passing of the use of ornamentation and richness of design. During this conference an architect, painter, sculptor, poet, critic, and writer all agreed that modern architecture was cold, over-intellectual and inhuman.

Human Needs Affect Architecture

"We have lost awareness of human beings," Mr. Belluschi said. "The optimistic architect today must believe in humanity. Architects no longer work for monarchs they work for the multitudes." He emphasized that great architecture is never an arbitrary form but grows from human needs. The purpose of architecture, he said, is to provide emotionally and physically satisfying shelter for man.

Course 2 Society Initiates Six Juniors, Honorary Member

Last month the Pi Kappa chapter of Pi Tau Sigma, the national honorary mechanical engineering fraternity held its initiation in Tyler lounge in Walker Memorial. Six new members, and one honorary member were initiated. The new members are: Professor C. F. Taylor (honorary) and the following juniors: Robert H. Brown; Raymond P. Colucci; Daniel H. Keck Jr.; Samuel J. Losh; David L. Richardson, and Manfred Tidor.

Banquet Held

A banquet was held immediately following the initiation ceremony at The Coach Grill, in Cambridge. The main speaker of the evening was Professor J. E. Arnold, who talked about the course two commons room, which is expected to become a reality next fall. He also showed the group some sketches of the proposed room. After his talk a discussion was held as to how funds should be raised for the maintenance of the room, and also as to how it should be run.

Geophysics, Electrical Labs Schedule Tours, Open House

Both the Geology and Electrical Engineering Departments have scheduled "Open House" for the near future. Two world-famous electrical laboratories at the Institute will be presented by the Course Six Student Faculty Committee Thursday, April 9, from 4 to 5:30 p. m. as the fifth in its series of laboratory open houses. Dr. J. G. Trump of the High Voltage Laboratory will show the newest and largest of positive ion accelerators as well as the most promising new weapon in the fight against internal cancers. Located in Building 28 is the 2,000,000 volt Van de Graaff X-ray source, used for deep tumor therapy in cancer treatment. Although unknown to most undergraduates, this laboratory has been treating as many as forty patients a day. The remarkably flexible arrangement at Tech permits an X-ray dosage approximately ten times that of a normal chest X-ray with minimum detriment-

al skin effects.

Most Powerful Generator

The large Van de Graaff generator in Building 58 originally designed to produce 12,000,000 electron volts is now being operated at 8 mev. This positive ion accelerator and a similar one at Los Alamos constitute the highest energy apparatus so far attempted by the electrostatic method.

Plans are being prepared by the Department of Geology and Geophysics for an "Open House" for first year students on Tuesday and Wednesday afternoon, April 14 and 15, from 3:30 to 5:30 p. m.

The purpose of the "Open House" says Professor Robert Shrock, chairman of the department, is to give first year students an opportunity to see departmental facilities, equipment and operations, and to ask questions that they may have with reference to Geology, Geophysics and Geochemistry as possible professions.

Tech Dance Scheduled May 9 in Mechanics Hall

42 Voice Chorus From Puerto Rico Plans Sing Tuesday

As its final concert of the season, the Institute Humanities Series will present the Chorus of the University of Puerto Rico, directed by Augusto Rodriguez, on Tuesday evening, April 7 at 8:30 p. m. in Huntington Hall. This concert will be free and open to the public—no tickets required.

The Chorus is made up of 42 singers—mixed voices—ranging in age from 16 to 23. They are Puerto Rican by birth. Spanish is their mother tongue, and English their second language.

The singing is done a cappella considered the purest, and most expressive form of choral art. All the music, from three to eight parts is sung in its original language of composition, Latin, Spanish, Italian, French, Creole, English, Brazilian, Galician, Vasconian, Russian and Hebrew.

It was in 1936 that the Chorus of the University of Puerto Rico was organized, and since then it has had a consistently successful career. On both its 5th and 10th anniversaries the Chorus was honored by Dr. Archibald T. Davison, of Harvard University, as guest conductor.

Nearly 700 concerts include Carnegie Hall, the Hall of the Americas at the Pan American Union, Presidential place in Haiti, four world-wide broadcasts over the National Broadcasting Company, three coast-to-coast over the Mutual Broadcasting System and television over the Columbia Broadcasting System—besides musical backgrounds for three documentary films and RCA Victor records. A short 17-day tour to Washington and New York in the spring of 1949 won the most laudatory comments of critics and audiences while accomplishing 37 presentations. Twelve other public were made in four days during L'Exposition Internationale Bicentenaire Port-au-Prince, Haiti.

The program which the chorus will present at the Institute includes religious chants, English madrigals, folksongs of various countries, Latin-American songs, and popular music of Puerto Rico.

Reactor Engineer Subject Of Speech By Dr. Weinberg

Dr. Alvin M. Weinberg will be the speaker at the annual dinner meeting of the student branch of the A. S. M. E. at the Institute. The affair will be held at 6:00 p. m. on Tuesday, April 14, in the Campus Room of the Graduate House. Admission to the dinner is \$1.75 per person.

He will speak on "The Nature of Reactor Engineering," a relatively new and diverse field for Mechanical Engineers, and a field which, in view of rapid scientific and technology advances, promises to be of extreme importance to the engineer.

Dr. Weinberg has been the Director of Research at the Oak Ridge National Laboratories since 1949, previous to which time he had been the director of the physics division of the laboratories. He has been active as a member of the American Physical Society and in his specialty of mathematical biophysics.

Reservations may be made by contacting Arthur A. Winquist '53, or Jack Webb '53 on East Campus or through Professor Warren M. Rohsenow of the Mechanical Engineering Department.

Sixteen Piece Band Of Wald Chosen For Entertainment

Mechanics Hall will be the scene of the first All Tech Dance to be held on May 9, it was announced earlier this week. Jerry Wald's 16-piece band has already been chosen to supply the music for the affair. His orchestra which is Decca Record's No. one recording group, is currently playing at the Paramount Theatre in New York.

Mechanics Hall was reserved for the dance early in February of this year and will cost approximately \$600. Use of the main hall, balconies, stage and dressing rooms, and the exhibition hall which is just off the main hall will all be available for the dance. This space will accommodate up to 6100 people.

1000 Couples Minimum

A minimum of 1000 couples is expected to attend the dance. It will be semi-formal and will start at 8:30 p. m. and end at midnight. Tickets will cost about \$3.00 per couple. The actual price, however, has not yet been decided upon.

A committee was set up by Institute Committee to investigate the desirability of such an "All Tech Dance" and to make preparations for it if it proved feasible. A strong student indication that this type of affair is what the students want urged the committee to make the necessary arrangements. The dance is expected to be strongly supported by the student body.

Members of the committee are: Eldon Reilly '55 (chairman), Marion Manderson '53, Robert Sukenik '55, Malcolm Blair '53, Bennett Sack '53, Sidney Hess '53, Harry Schreiber '55, and Mitchell Savin '56.

Univ. Of Tennessee Installs Electronic "Reaction Meter"

Push button learning has come to the University of Tennessee's campus. An electronic device now being used experimentally by the College of Engineering enables the student to register an immediate protest without interrupting his professor if he fails to grasp a point in the lecture.

Called the "student reaction meter," the push button learning aid has a meter which faces the lecturer and shows him how many students are not understanding the presentation. If the number is large, the professor repeats and clarifies his material.

Built Last Summer

Unique in the South and perhaps in the nation, the reaction meter is being used now in elementary engineering courses. Originally suggested for use here by Engineering Dean N. W. Dougherty, the device was designed and built last summer by Professors C. H. Weaver and W. O. Lefell of the electrical engineering department.

Button For Each Student

Termed simple and practical for almost any classroom, the meter is calibrated by the teacher according to the number of students in the class. Each student has his individual push button on his desk and can set the meter needle quivering.

With the control in his hand, the student can show when he is failing to grasp the subject without personal embarrassment. The professor, in turn, can determine the percentage of his class understanding his lecture.

CALENDAR OF EVENTS

TUESDAY, APRIL 7

Committee on Machine Methods of Computation. Seminar: "Solution of a Set of Partial Differential Equations on MIT Rockefeller Differential Analyzer." Mr. William F. O'Connell. Room 4-231, 4:00 p.m.

Electrical Engineering Department. Orientation Meeting for Course VI-A Sophomores: Bell Telephone Laboratories; General Radio Company. Room 10-275, 4:00 p.m.

Metallurgy Department. Illustrated lecture: "Industrial Applications of Cerro Alloys." Mr. O. J. Seeds, Manager of Alloy Sales, Cerro de Pasco Corporation. Room 35-225, 4:00 p.m.

School of Architecture and Planning. Lecture: "The Development of the Modern Movement in Architecture—I." Professor Kay Fisker, Royal Academy, Copenhagen, Denmark. Room 7-437, 4:00 p.m.

Electrical Engineering Department. Orientation Meeting for Course VI-A Sophomores: Philco Corporation. Room 10-275, 4:30 p.m.

Economics and Social Science Department. Lecture: "Compulsory Arbitration." The Honorable Arthur Tyndall, Judge of the Court of Arbitration of New Zealand. Hayden Library Lounge, 8:00 p.m.

Humanities Series Concert. University of Puerto Rico Chorus. Augusto Rodriguez, Director. Room 10-250, 8:30 p.m.

WEDNESDAY, APRIL 8

Mechanical Engineering Department. Lecture: "History of Engineering Education in Europe." Emeritus Professor Stephen P. Timoshenko, Stanford University. Room 3-270, 11:00 a.m.

Electrical Engineering Department. Orientation Meeting for Course VI-A Sophomores: U. S. Naval Ordnance Laboratory. Room 10-275, 4:00 p.m.

Electrical Engineering Department. Colloquium: "Breakdown, Conduction and Recovery of the Hydrogen Thyatron in Pulse Generating Circuits." Dr. Stuart T. Martin and Seymour Goldberg. Room 6-120, 4:30 p.m. Refreshments in Room 6-321 at 4:00 p.m.

Electrical Engineering Department. Orientation Meeting for Course VI-A Sophomores: General Electric Company. Room 10-275, 4:30 p.m.

Catholic Club. Lecture: "The Eastern Church and Rites." Father Tom of the Ukraine Rite. Room 2-190, 5:00 p.m.

Order of DeMolay—"Tech" Chapter. Meeting: "Formation of Boston University Chapter." Refreshments. Hayden Library Lounge, 7:30 p.m.

THURSDAY, APRIL 9

American Chemical Society—Northeastern Section. Symposium: "Rubber Plasticized Resins." Dr. Henry A. Hill, National Polychemicals, Inc. Room 10-250, 4:00 p.m.

Electrical Engineering Department. Open House for Course VI undergraduates and teaching staff. High-Voltage Research Laboratory, Building 28, 4:00-5:30 p.m. Refreshments at 4:30 p.m.

School of Architecture and Planning. Lecture: "British Housing and Planning Policy." Peter Self, London School of Economics. Room 3-311, 4:00 p.m.

Physics Department. Colloquium: "Investigation of Primary Cosmic Radiation with an Emulsion Cloud Chamber." Dr. David R. Ritson, University of Rochester. Room 6-120, 4:15 p.m.

Lecture Series Committee. Films: "Blood of a Poet," "Lot in Sodom," and "Lysis." Room 1-190, 5:00, 7:30, 9:30 p.m. 30 cents.

American Chemical Society—Northeastern Section. Symposium: "Synthetic vs. Natural Rubber, 1960." Dr. Lloyd H. Perry, Union Bay State Chemical Co., Inc. Room 10-250, 8:00 p.m.

FRIDAY, APRIL 10

Electrical Engineering Department. Orientation meeting for Course VI-A Sophomores: Boston Edison Company. Room 4-213, 4:00 p.m.

Mechanical Engineering Department. Seminar: "An Investigation of a New Method of Measurement of Thermal Conductivities of Gases." Professor R. A. Burton. Room 3-270, 4:00 p.m. Coffee in Room 3-174 at 3:30 p.m.

School of Architecture and Planning. Lecture: "The Development of the Modern Movement of Architecture—II." Professor Kay Fisker, Royal Academy, Copenhagen, Denmark. Room 7-437, 4:00 p.m.

SUNDAY, APRIL 12

Choral Society. Musical Selections. Klaus Liepmann, conductor. Sanders Theatre, Harvard Square, 8:30 p.m.

MONDAY, APRIL 13

Aeronautical Engineering Department. Seminar: "Human Factors in Design of Transport Airplanes." Dr. Ross McFarland, School of Public Health, Harvard University. Room 35-225, 4:00 p.m. Refreshments in the du Pont Room from 3:30 to 4:00 p.m.

Biology Department. Colloquium: "Recent Developments in Freeze-Drying Biological Specimens for Electron Microscopy." Dr. Robley C. Williams, University of California. Room 16-310, 4:00 p.m. Tea in Room 16-711 at 3:30 p.m.

Mathematics and Mechanical Engineering Departments. Lecture: "Turbulence and Sound." Professor M. J. Lighthill, Manchester University, England. Room 6-120, 4:00 p.m. Tea in Room 2-290 at 3:30 p.m.

TUESDAY, APRIL 14

Committee on Machine Methods of Computation. Seminar: "Iteration Procedures for Simultaneous Equations." Mr. Edward Craig. Room 4-231, 4:00 p.m.

Mathematics and Mechanical Engineering Departments. Lecture: "Boundary Layers and Upstream Influence." Professor M. J. Lighthill, Manchester University, England. Room 6-120, 4:00 p.m.

School of Architecture and Planning. Lecture: "The Development of the Modern Movement in Architecture—III." Professor Kay Fisker, Royal Academy, Copenhagen, Denmark. Room 7-437, 4:00 p.m.

Christian Science Organization. Subject: "Overcoming Pride and Self Will." Tyler Lounge, Walker Memorial, 5:15 p.m.

American Society of Mechanical Engineers—M. I. T. Student Branch. Dinner Meeting: "The Nature of Reactor Engineering." Dr. Alvin M. Weinberg, Oak Ridge National Laboratories. Graduate House, Campus Room, 6:00 p.m.

Economics and Social Science Department. Lecture: "Compulsory Arbitration." The Honorable Arthur Tyndall, Judge of the Court of Arbitration of New Zealand. Hayden Library Lounge, 8:00 p.m.

EXHIBITIONS

The Sixth Annual Members Exhibition of Boston Printmakers will be on display in the New Gallery of the Charles Hayden Memorial Library through April 24.

Photographic Salon prints from Photography Magazine will be on display in the Photo Service Gallery, Basement of Building 11, through April 19.

through the mail

To the Editor of THE TECH:

I am interested in Mr. Sarno's comments about telephone communications to the students and the implication that the Institute does not have an up-to-date telephone system. The Institute has provided a rather elaborate internal dormitory telephone system with telephones in the rooms of Baker, East Campus, the Graduate House, and the corridors of the Burton House, representing an investment of approximately \$100,000. I doubt very much if Mr. Sarno can name many colleges where there is an internal telephone system with telephones in most of the student's rooms. In addition, extensions from the New England Telephone switchboard are provided in the corridors of the dormitories on all floors, on which students can receive calls from Institute offices and from anywhere outside of M.I.T. Pay stations are also rather liberally located through the dormitories. I have had occasion to stay in dormitories at other colleges on the ground floor. Calls come in to that pay station for all the students in the house. Someone has to answer and attempt to find the student wanted.

In the system provided at the Institute it is possible to call all of the dormitory offices from any New England Company telephone. The desk clerk can then get in touch with the student to determine if he is in his room. If he is in his room, the student can go to a New England Company corridor telephone and dial the person initiating the call from any other telephone about the Institute. Meanwhile the calling party has to hang up so that the student can call him back. It is entirely possible through the expenditure of more money to provide circuits so that the student could get the calling party

by dialing at a pre-arranged code. This, however, would necessitate increased dormitory expense and consequently rentals. It would also be possible to put New England telephones in all of the rooms, but this again would necessitate the increase in room rental by approximately \$1.25 a week to take care of the expenses. The Institute Administration considered this and decided against it.

With reference to the Burton Dormitory an internal dial system providing telephones in each suite as in the case of the Baker Dormitory would cost approximately \$50,000. However, the attempt in the Burton Dormitory was to keep down expenses and consequently the rents—hence the slightly less convenient telephone system.

It would be entirely possible by vote of the residents of any house for the M.I.T. switchboard to refuse to call students after twelve midnight or any other desired hour.

It should be emphasized that the present operating method has not been designed primarily for the purpose of relieving the operators of work, but to make it possible to complete the call on a fully automatic basis. As I call students in the dormitories frequently myself, I do not find it particularly objectionable after leaving the message that I want to be called by a student to hang up and wait for him to call back from a corridor telephone.

CARLTON E. TUCKER,
Professor and Executive Officer
Dept. of Electrical Engineering
March 25, 1953.

The following letter was written in reference to statements made by Frank Sarno '55, which appeared in THE TECH on March 17, 1953. Professor Tucker, the author of the letter is the designer of the telephone system which was installed in the dormitories last year.—Ed.

All letters to the Editor must contain the author's name which will be withheld upon request.

Graduate House Wins In Playoffs; Volleyball Champs

Losing only one game as they swept all four playoff matches, the strong Graduate House "A" volleyball team emerged triumphant in the Intramural Volleyball championships. Their only opposition came from Sigma Chi, the fraternity champions, but the Grads took a 15-9, 1-15, 15-6 victory to ease home first.

The final standings in the playoff tourney:

	W
1 Graduate House (A)	4 0
2 Sigma Chi	3 1
3 Phi Delta Theta	2 2
4 Alpha Tau Omega	1 3
5 Phi Kappa Sigma	0 4

Academic Freedom

(Continued from page 1)

country and to its form of government. . . . There is a line at which 'freedom' or 'privilege' begins to be qualified by legal 'duty' and 'obligation' . . . Every scholar has an obligation to maintain this reputation (for capability and integrity). By ill-advised, though not illegal public acts or utterances he may do serious harm to his profession, his university, to education and to the general welfare.

Owes Complete Candor

"Above all he owes his colleagues in the university complete candor and perfect integrity, precluding any kind of clandestine or conspiratorial activities. He owes equal candor to the public. If he is called upon to answer for his convictions, it is his duty as a citizen to speak out. It is even more definitely his duty as a professor. Refusal to do so, on whatever legal grounds, cannot fail to reflect upon a profession that claims for itself the fullest freedom to speak and the maximum protection of that freedom available in our society. In this respect, invocation of the Fifth Amendment places upon a professor a heavy burden of proof of his fitness to hold a teaching position and lays upon his university an obligation to re-examine his qualifications for membership in its society. . . .

Unless a faculty member violates a law, however, his discipline or discharge is a university responsibility and should not be assumed by political authority. Discipline on the basis of irresponsible accusations or suspicion can never be condoned."

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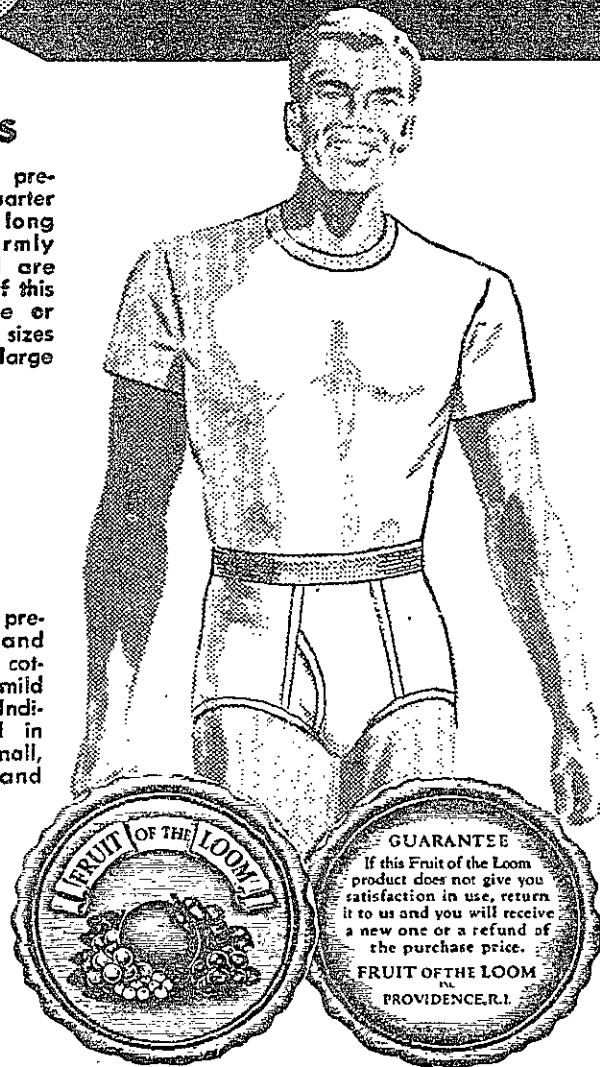
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Walker Bowlers Retain Team Title, Set New Records

For the second straight season, the Walker Staff team has captured the Intramural Bowling Trophy, setting two new intramural records in the process. The Walker team bested four other league champions in the Intramural playoffs to retain the trophy. In their final match, the Walker squad set a new team mark with 1356, and had a high string score of 468. The team was composed of George E. Dausman '53, Richard A. Finn '55, Louis M. Goldberg '54, Victor G. Macres '53, Guy C. Pierce '55, Paul P. Valerio '54, and Kevin G. Woelflein '54.

The final standings of the league winners in championship play is as follows:

- 1—Walker Staff
- 2—Sigma Alpha Epsilon (A)
- 3—Sigma Alpha Epsilon (B)
- 4—Theta Xi
- 5—Alpha Tau Omega (1)

Swordsmen Falter; Pennsylvania Wins

Bringing a fair season to a close, the Engineer fencing team placed 26th in national competition at Philadelphia last week. The University of Pennsylvania took team honors with 94 points, and two of her swordsmen won individual championships.

Robert Parmacek of Penn took the sabre title with 32 wins and one loss, and teammate Jack Tori won the epee

E. Campus Courts To Be Ready Soon With Hard Surface

To the joy of many East Campus residents who dislike having to walk to Burton House to play tennis, the eight Walker tennis courts are to be hard surfaced early this spring, according to Director of Athletics Ivan J. Geiger.

The clay courts have been a problem for some years, as whole mornings were required to ready the courts for play, and the slightest rainfall rendered them unplayable. With the new hard surface, the courts should be available during all daylight hours. As soon as completed, the courts will be put on reservation, with students enjoying top priority. Mr. Pung of the Walker Staff (extension 885) will serve as reservation clerk.

Briggs Field Courts Repaired

The Institute has recently appropriated the funds for this project, and work will start as soon as weather permits. This Briggs Field courts are being repaired and reconditioned at the same time. All cracks will be filled, new green asphaltic paint spread on the playing surfaces, and new aluminum paint lines applied. Inclement weather has held up the completion of this task, but it is expected that all of these courts will be ready by April 13.

crown with 31-3. The foil title went to Ed Nober of Brooklyn College with a record of 32-2.

The Beavers scored a total of 34 points—14 in epee and sabre and six in foil, to beat out ten of the 37 teams competing.

Beaver Laxmen Face Delaware In 1st Encounter

Bolstered by the return of ten lettermen, Coach Ben Martin's varsity lacrosse team has been working out since early March in preparation for the opening game against the University of Delaware this Wednesday afternoon. The visiting Blue Pens boast one of the strongest teams in the Middle Atlantic area and should give the Beavers a tough battle.

Lineup

The Martinmen's attack will be led by Bruce C. Murray '53, returning from the 1952 team, and John B. Brown '55, up from the freshmen.

Veterans Morton J. Friedenthal '53 and Peter J. Conlin '53 will operate at midfield, with sophomores Richard P. Toohy and Joseph A. Kissinger, Jr., backing them up. The Beavers have been hurt at midfield by the loss of Richard Beale, who was drafted, and Fischl, injured in an automobile accident.

Captain Robert R. Piper '53 will lead the team from his defense position. Teaming up with him will be veterans William G. Nance '54 and Aristides Miliotes '54. In reserve is David B. Brooks '55, up from the frosh.

Goaltending duties will be shared by Joseph P. Bova '54 and Lee Karney '54.

The loss of two midfielders of the calibre of Beale and Fischl is bound to hurt the team's cause, but Coach Martin still hopes to better last year's 4-6 mark. Many of the opponents are

strong, however, and the Beavers must be at their best in every game in order to win. Certainly the Delaware game will be a tough hurdle.

Freshmen

Coach Jim West of the freshman team is quite pleased with the development of the Beaver yearling team. Between thirty and forty freshmen have turned out for the squad and are practicing daily. There are four or five frosh on the team with previous experience at lacrosse, compared with one or two in former years, and all seem to be taking to the game readily. The opening game for the frosh is on April 25 against Harvard's freshmen and Coach West hopes to have a winning team ready by that date.

GRADUATE ENGINEERS

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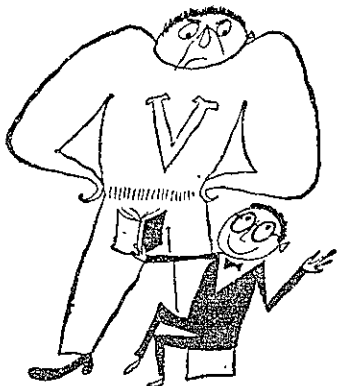


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Them's
Fightin'
Words!

ONCE there was a big, muscular fellow named Joe Schlumph. He was full-back on the football team, captain of the baseball team, and star of the basketball team. He had a roommate named Freddie, who spent more time reading books than Joe did sewing letters onto his sweaters.

One day, Freddie came running in. He was obviously greatly excited. "Joe!", he panted, wiping the steam from his horn-rimmed glasses. "Guess what! I've just found the perfect shirts for all college men! They're brand new ... and they're great for dates or cla--"

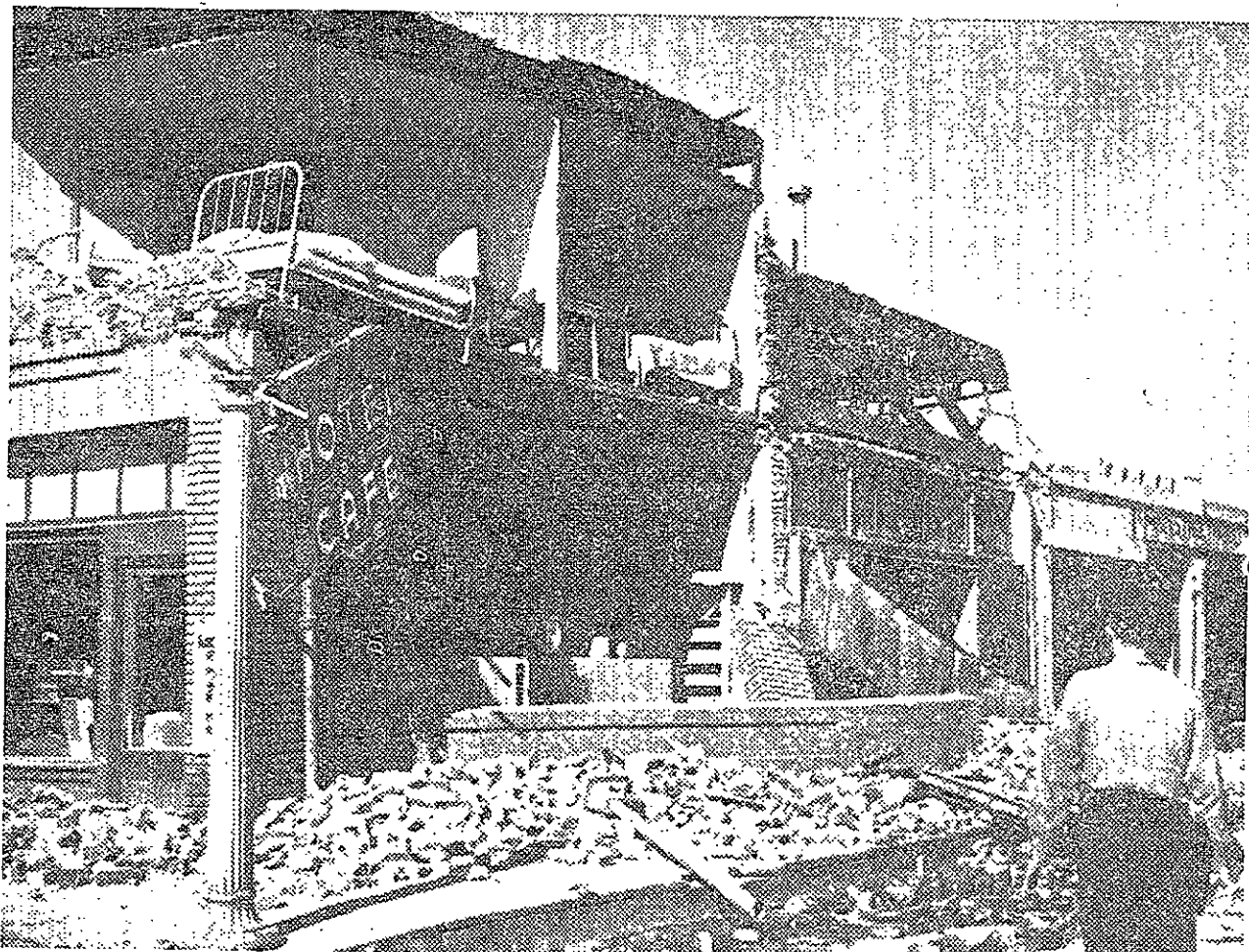
"I know," replied Joe. "Van Heusen's new short collar styles. They're the latest thing this year ... and those smart short collars go perfectly with college clothes."

"Well," said Freddie, "that's not all. They've got one called the Van Karon that's the epitome of good looks. It has a diminutive collar that flatters anyone's cervical region. And it sets off your cravat impeccably!"

"Honest Injun?", said Joe.

"What's more," said Freddie, "they have a comprehensive collection of neoteric collar styles, including short spreads, short eyelets, short button-downs ... plus short collars with regular or orbed points. And, you can get the new Van Heusen Short Collar Shirts in a myriad of smart new colors. They're so handsome they'll make any college man look like an oligarch!"

"An oligarch?", said Joe. "Well I don't care. I'm gonna buy some anyway!"



Street scene in Tehachapi after last July's earthquake.

... EARTHQUAKE ...

In the predawn of last July 21, the most severe California earthquake since 1906 struck the small town of Tehachapi.

Walls were collapsing, buildings were folding. The town's telephone office shook to its foundation. But the night operator remained at her switchboard until it went dead. Main cables to the office were pulled to the ground when a nearby wall caved in.

This was at 4:50 A.M.

By 8:30 A.M. telephones were set up on the edge of town for use by the Red Cross and other emergency workers.

By late afternoon, the telephone switchboard was working. Tehachapi residents were able to contact friends and relatives concerned about their safety.

By 9 P.M. two TV stations were sending live telecasts of the damage. Telephone men had established a radio-relay system in less than 12 hours.

It was a typical disaster—brutal and unannounced. But telephone men were prepared. They quickly restored communication when it was needed most. They demonstrated the resourcefulness and technical skill typical of telephone people.

These are some of the qualities we seek in the college graduates we hire. Your Placement Officer can give you details about opportunities for employment in the Bell System. Or write to American Telephone and Telegraph Company, College Relations Section, 195 Broadway, New York 7, New York, for the booklet, "Looking Ahead."



BELL TELEPHONE SYSTEM

Institute Named In Investigation

The Institute was mentioned twice in testimony given before the Senate Internal Security subcommittee in the committee's hearings in Boston last month.

Two brothers, both enrolled in Harvard Law School were asked by Senator William Jenner whether they had ever attended meetings of the Communist party at M.I.T., or at which any M.I.T. students were present. One said he didn't even know anybody at the Institute; but both declined to answer the question on the grounds that it might intend to incriminate them. Before calling them to the stand Senator Jenner remarked that his committee had evidence that the

WMIT Schedule Of Classical Music

TUESDAY	
8-9:30	CONCERT HALL Mahler: Symphony 2
10:15-12	MUSIC HALL Beethoven: Fantasia for Piano and Orch. Beethoven: Symphony 3 "Choral"
WEDNESDAY	
8-9	CONCERT HALL Brahms: Variations on a Haydn Theme; Piano Concerto 2
two Harvard students were members of the Communist party whose job it was to proselytize fellow students.	
THURSDAY	
8-10	CONCERT HALL Hindemith: 4 Temperaments R. Strauss: Duet Concertino Saint-Saens: Symphony 3 "Organ" Vaughn-Williams: Fantasia on Greensleeves
10:15-12	MUSIC IMMORTAL Rachmaninoff: Piano Concerto 2 Tchaikovsky: Symphony 1 Strauss: Final scene from Salome
FRIDAY	
8-10	CONCERT HALL Franck: Symphony in D Beethoven: Piano Sonata 14 "Moonlight" Vivaldi: The 4 Seasons Liszt: Hungarian Rhapsody 1

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PLACEMENT

Company	Location	Courses Wanted
6 The General Tire & Rubber Co.	II, XV, XIV	
6 Lord Manufacturing Co.	II, X, VI, XV, XIV	
6 The Heald Machine Co.	II, VI	
7 American Air Filter Co., Inc.	II, VI, X, I, IX, XV, XIV	
7 Hartford Machine Screw Co.	II	
7 The Taft-Pierce Manufacturing Co.	II	
7 Otis Elevator Co.	II, VI, XV	
8 Microwave Associates, Inc.	II, VIII, VI	
8 Ray-O-Vac Co.	X, V, VI, II	
8 Stromberg-Carlson Co.	II, VI	
9-10 Battelle Memorial Institute	XVI, X, VI, II, III, V, VIII	
9 Long Island Lighting Co.	II, VI	
9 Niagara Machine & Tool Works	II, VI	
9 Sperry Gyroscope Co.	VI, II, XVI, XVIII, VIII	
9 The Western Union Telegraph Co.	II, VI, XV	
10 General Dynamics Corp.	VI, XIII, XV	
10 The New England Gas and Electric System	VI, (Power)	
10 Pratt and Whitney	II, VI, XV	
10 The Seymour Manufacturing Co.	III, XV	
10 Foster Co.	XV	
13-14 Pittsburgh Plate Glass Co.	V, VIII, XV, XIV, X, II, VI	
13-14 Whirlpool Corp.	II, III, VI, VIII, IX, X, XV, XIV, XVII, XVIII	
13 International Salt Co.	All interested	
13 Sangamo Electric Co.	II, VI	
13 Universalist Church of America	All interested	
15-16 Lockheed Aircraft Corp.	XVI, II, VI, XVIII	
16 Radio Corp. of America	V, X, III	
18 Packard Motor Co.	II, XV	
Summer Employment		
9-10 Battelle Memorial Institute	XVI, X, VI, II, III, V, VIII	
9 Long Island Lighting Co.	II, VI	
14-15 E. I. duPont de Nemours & Co.	II, X, V	
17 Lever Bros. Co.	XV, XIV	

The following companies have contacted the student placement bureau and due to circumstances beyond their control will be unable to visit M. I. T. this year. They are interested in receiving letters plus our M. I. T. abbreviated application form from students who are interested in their work. Their initial contact letter containing detailed information may be scanned upon request in the student placement bureau, Room 1-173.

Andrew Corp., Chicago, Illinois	VI, II
Benedict-Miller, Inc., Lyndhurst, N. J.	III
Buffalo Forge Co., Buffalo, N. J.	II
The Bullard Co., Bridgeport, Conn.	II, III, XV, XIV
Canadair Limited, Montreal, Quebec, Can.	VI, XVI, I, XVII, I
Courtaulds, Inc., Mobile, Ala.	V, X, VIII
The Dow Chemical Co., Bay City, Mich.	graduate levels II, III
Duquesne Light Co., Pittsburgh, Pa.	VI, II, I
Ford Instrument Co., Long Island City, N. Y.	II, VI
Gaylord Products, Inc., Chicago, Ill.	II
Geveke & Co., Inc., New York, N. Y.	any course—sales
Great Lakes Carbon Corp., Niagara Falls, N. Y.	X, VI, II
N. W. Ayer & Son, Philadelphia, Pa.	advertising
Grinnell Co., Inc., Providence, R. I.	II
Improved Risk Mutuals, White Plains, N. Y.	XV, XIV, others interested
Institute of Gas Technology, Chicago, Ill.	X, II, fellowship program
Kordite, Inc., Macedon, N. Y.	II, X, VI
G. L. Leland, Inc., Dayton, Ohio	III, VI, research
The M B Manufacturing Co., New Haven, Conn.	VI, II
The Norden Laboratories, White Plains, N. Y.	VI, II
Norfolk and Western Railway Co., Roanoke, Virginia	II, VI
NUCLEONICS, New York, N. Y.	(an International Journal)
Oil Equipment Mfg. Corp., New Haven, Conn.	II
Oxford Paper Co., Rumford, Maine	anyone interested
Polaroid Corp., Cambridge, Mass.	II, XIV, XV
Portsmouth Naval Shipyard, Portsmouth, N. H.	VI, II, I, XIII
Remington Rand, Inc., New York, N. Y.	III, II
Reo Motors, Inc., Lansing, Michigan	Engineers, XV
Reynolds Metals Company, Richmond, Va.	III, X, VI, II, XV, XIV
F. & M. Schaefer Brewing Co., Brooklyn, N. Y.	II, XV
Schenley Distillers, Inc., Cincinnati, Ohio	VI, X, II
S. Morgan Smith Co., York, Pa.	II
Spicer Manufacturing, Toledo, Ohio	(Div. of Dana Corp.)
State Mutual Life Assurance Co., Worcester, Mass.	Any interested
Technicolor Motion Picture Corp., Hollywood, Calif.	VI, VIII, X, V, VI, S.B., S.M., Ph.D.
Thokol Corp., Huntsville, Alabama	V, S.M., or Ph.D.
The Trane Co., Boston, Mass.	II, XV, XIV
The United States Finishing Co., Norwich, Conn.	X
The United States Naval Academy, Annapolis, Maryland	XIII, II, S.M. teaching
The Whitlock Manufacturing Co., Hartford, Conn.	II, X
Wheaton Co., Millville, N. J.	V, VIII
Agricultural and Technical Institute of Alfred University (State University of New York) Alfred, N. Y.	XVII, I, Teaching
Department of State, Washington, D. C.	(U. S. Foreign Service Examination)
U. S. Citizen	

ENGINEERS, SCIENCE MAJORS

A representative of the Du Pont Company will be on this campus

APRIL 14 and 15

to interview Bachelor and Master degree candidates majoring in

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Civil Engineering
Building and Construction Engineering
- Electrical Engineering
Mechanical Engineering
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